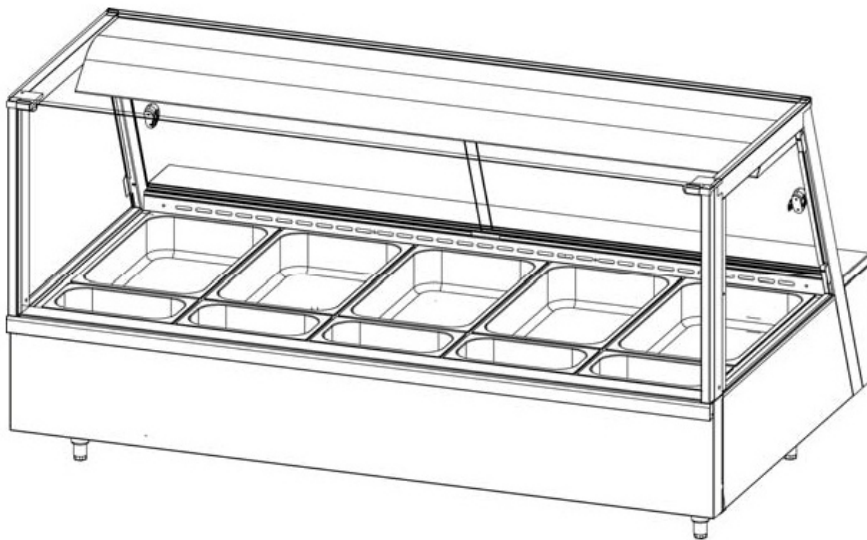


DIRECTIONS FOR USE

EN 2-1



www.fri-jado.com

KEEP THIS USER MANUAL FOR FUTURE USE

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We advise you to contact your supplier for the guarantee period and conditions. Further we refer to our General Terms and Conditions for Sales and Delivery that are available upon request.

The manufacturer does not accept any liability for damage or injury caused by the failure to adhere to these regulations or by not observing the usual caution or care in actions, operation, maintenance or repair activities, even if not explicitly described in this manual.

As a result of constant commitment to improvement, it may happen that your unit deviates in detail from what is described in this manual. For this reason the given instructions are only a guideline for the installation, use, maintenance and repair of the unit referred to in this manual.

This manual has been composed with the utmost care. The manufacturer shall, however, not be held responsible for any mistakes in this manual nor for any consequences thereof.

The user is allowed to copy this manual for his own use. Further all rights are reserved and nothing in this manual may be reproduced and/or made public in any way.

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1. Safety, hygiene and environment

1.1. General

The manufacturer accepts no liability whatsoever for loss or injury caused by failure to strictly adhere to the safety guidelines and instructions in this manual or due to carelessness during installation, use, maintenance and repair of the unit referred to in this manual and any of its accessories.

The unit may be operated by qualified and authorised persons only. Anyone who works on or with this unit must be familiar with the contents of this manual and carefully follow all guidelines and instructions. Never change the order of the steps to be performed.

The management must instruct the personnel on the basis of this manual and follow all instructions and regulations.

1.2. CE-mark

The unit was built in accordance with European Guidelines and standards as specified in the CE declaration delivered with your unit.

To ensure its proper functioning, use the unit solely in accordance with its purposes as stated in EN 292-1. In this standard 'intended use' means the use for which this technical unit is suitable in accordance with the technical specifications of the manufacturer inclusive of the directions in the sales brochure.

In case of doubt it is the use which can be deducted from the construction, the model and the function of the technical unit as being normal use. Operating the unit within the limits of its intended use also involves following the instructions in the user manual and observing the inspection and maintenance conditions.

1.3. Identification

The identification plate is located on the service side and contains the following data:

- Name of the supplier or the manufacturer
- Model
- Serial number
- Year of manufacture
- Mains voltage
- Frequency
- Rated current

1.4. Icons and symbols

1.4.1. Manual

In this manual the following icons and symbols are used:



Danger of personal injury or serious damage to the unit



Electric voltage



Hot surfaces



Additional information



Environmental aspects

1.4.2. Unit

The icons given below have been attached to the unit. Never cover or remove them. Immediately replace or repair illegible or damaged icons.



Electric voltage



Lighting



Cooling

1.5. Safety measures

- Never change the technical specifications mentioned in this manual.
- Use the unit in a technically perfect condition only.

1.6. Hygiene

- Prevent fresh raw vegetables or already prepared, cooled products from coming into contact with raw meat products to avoid transmitting salmonella.
- First thoroughly clean hands and/or tools that have touched raw meat.
- Immediately remove products in damaged packaging from the equipment. Clean all components that have come into contact with products from damaged packaging.

1.7. Service, maintenance and repairs

Regularly clean the unit to ensure its continued proper functioning.



WARNING

- Clean the unit daily. Keep to the maintenance intervals (see chapter 5).
- Follow the instructions regarding what to do in case of malfunction (see chapter 6).



WARNING

Do not clean the unit using a water hose.



This manual clearly makes a distinction between service, maintenance and repair activities that can be carried out by the user and those which exclusively should be carried out by qualified and authorised service engineers.

1.8. Materials used and the environment

1.8.1. Packaging material



All packaging materials are suitable for re-use. Do not dispose of the packaging material with the industrial waste.

The following materials have been used:

- Untreated wood
- Cardboard
- Polyethylene foil
- Styropor
- Polypropylene tape

1.8.2. Remove

If required, the Fri-Jado supplier can advise on how to remove the unit. The Fri-Jado supplier can also indicate which parts contain valuable substances and materials.

Treat the materials in accordance with the current local environmental regulations.

1.9. Guarantee

In case of unauthorised modifications in or on the unit, any liability on the part of the manufacturer becomes null and void.

For contact data see the back of this manual.

1.10. Accessories and options

- Sliding window for service model
- Standard basis, available on legs or wheels
- Condensation evaporating unit
- Flat plate or adjustable frame

2. Description of the unit

2.1. Operation

The refrigerated displays make use of a cooling unit in the basis and an evaporator.

This evaporator has been placed in the space beneath the flat plate in the basic model or beneath the gastronorm pans of you have chosen for this option.

Ventilating fans lead the cold air on the upper side over the products and on the lower side along the flat plate or the gastronorm pans. PL lamps have been placed into the top part. The cooling and the lamps can be switched on separately.

The electronically controlled thermostat has been pre-programmed for the correct temperature in the model you have chosen and for fully automatic defrosting at the factory. An automatic condensation evaporating unit evaporates the released water. This provision is optional.

The sheeting of made of stainless steel SS 304.

You have chosen one out of two display options before setting up the display:

Flat plate

Depending on the model, the width of the flat plate is 964, 1298 or 1630 mm.

Dismountable panframe

The display area has been provided with a dismountable panframe in which 1/3 and behind that 1/1 gastronorm pans can be placed with a maximal depth of 65 mm immediately behind the front window. Depending on the model there are either 3, 4 or 5 pans next to each other. Combinations of other sizes of gastronorm pans are possible.

2.2. Intended use



WARNING

The refrigerated displays have been designed solely to keep packaged products cool and to display them.

Any other use shall be considered to be not in conformity with the intended use. The manufacturer accepts no liability whatsoever with regard to loss or injury that may be the consequence hereof. The unit was built in accordance with European Guidelines and standards as specified in the CE declaration delivered with your unit. Use the unit solely in technically perfect condition and in conformity with the intended use described above.

2.3. Parts

2.3.1. Overview of the unit

A Control panel

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Ô G Samps

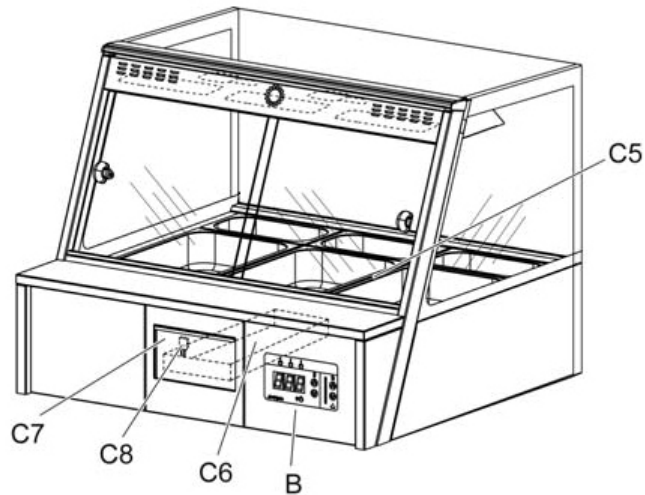
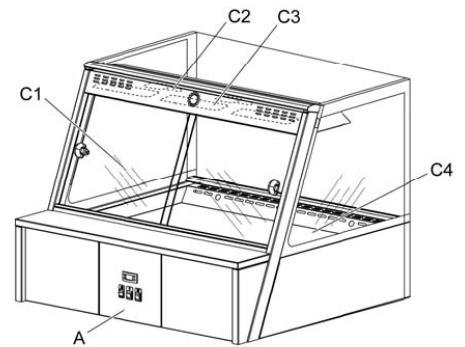
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2.3.2. Control panel

A1 Indicator ON

A2 Indicator defrosting

A3 Display temperature

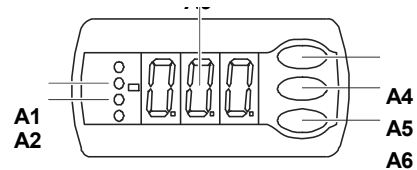
A4 UP key

A5 SET key

A6 DOWN key

A7 Cooling switch

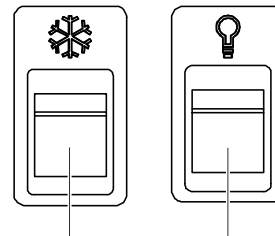
A8 Lighting switch



When the cooling unit has been switched on, the indicator lamp A1 is lit.

A2 is lit during automatic defrosting of the evaporator.

Display A3 indicates the temperature in the display.



A7

A8

2.4. Technical specifications



WARNING

See the identification plate for the correct specifications of the unit. The electrical installation data may vary between different countries.

		CD 3 SQ	CD 4 SQ	CD 5 SQ
Dimensions Width	mm	1086	1419	1730
Depth	mm	1058	1058	1058
Height	mm	1307	1307	1307
	Height with basis	mm	1440	1440
Weight Full-service	kg	195	225	265
Full service	kg	200	230	275
Basis	kg	37	40	44
Voltage		230V 1N~	230V 1N~	230V 1N~
Frequency	Hz	50	50	50
Max. rated current	A	3.8	4.6	5.2
Power to be supplied	W	866	1068	1198
Plug		Two-pole earthed plug	Two-pole earthed plug	Two-pole earthed plug
Cable length	m	approx. 2.40	approx. 2.40	approx. 2.40
Sound pressure	dB(A)	< 70	< 70	< 70
Product temperature class according to NEN-EN 441-6	Full-service	3M1	3M1	3M1
Standard accessories		user manual	user manual	user manual
Display (flat part)	Length	mm	964	1298
Width	mm	608	608	608
Depth	mm	60	60	60
Maximum loading height	mm	100	100	100

Refrigerant:

- As refrigerant has been used that complies with the environmental requirements applicable at the time of manufacturing of the unit, the type and the filling weight are indicated on the cooling unit.

3. Install

3.1. Unpack

1. Remove all parts from the unit.
2. Remove the foil from all metal parts.
3. Remove all packaging materials from the unit.
4. Check the unit for damage.
5. Make sure that all parts that belong to the model you have ordered are present.
6. **Read the manual before proceeding.**

If any parts are missing or damaged, contact your supplier.

3.2. Installation



WARNING

Have an authorised installer install the wall socket.



WARNING

- There should be at least 50 mm clearance between the sides and other equipment or walls.
- **There should be at least 1 metre clearance between the service side and other equipment or walls.**
- Make sure that the openings in the basis are free.
- Do not position the unit near a doorway or a ventilation or heating unit.
- Position the unit flatly on a sufficiently sturdy base using a spirit level. Here take the weight of the unit into account.



Follow the procedure below when storing a unit that will not be used for some time:

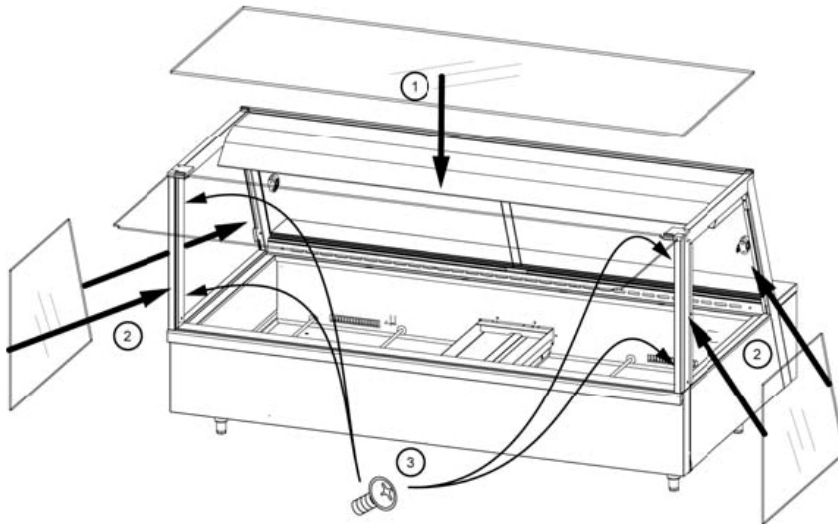
- Thoroughly clean the unit.
- Pack the unit dustproof.
- Store the unit in a dry place.

Make sure that the ambient temperature for the **self-service** model is not less than 10°C and not more than 22°C with a maximum air humidity of 65%.

Make sure that the ambient temperature for the **service** model is not less than 10°C and not more than 25°C with a maximum air humidity of 60%.

Find a suitable place for the unit. Points of interest:

- The products in the unit must be well visible.
- There must be sufficient room to operate and maintain the unit.
- Make sure that the unit is accessible for maintenance and service activities.
- Do not allow children on the service side.
- Contact your supplier before installing the unit outdoors.
- In connection with the danger of short circuit the unit is not suited for use in a rainy or very moist environment.

**WARNING**

- Have a recognised installer or service centre install the unit on an existing basis.
- Provide a suitable discharge for the water that is released during use and cleaning if an evaporating unit has not been opted for.



After installation, wait at least half an hour before switching on the unit. This in connection with the stabilisation of the refrigerant.

1. Clean the inside, the removable parts and the accessories thoroughly with cleanser and water before putting the unit into use.
2. After cleaning, wipe the unit with a cloth moistened with clean water to remove cleanser residues and then dry the entire unit.
3. Attach all (optional) parts and/or accessories. For positioning the side windows and any sliding windows, carry out steps 1 – 3. If you have chosen for a panframe, carry out steps 4 – 7 as well.
4. Insert the plug into the socket.
5. Switch on the unit.
6. Let the unit cool for at least half an hour before filling it with products.

3.3. Move

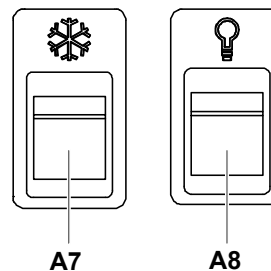
Before moving the unit if it is a wheeled model:

1. Switch off the unit.
2. Remove the plug from the outlet.
3. Remove pans containing a liquid product from the unit.
4. Be careful when passing any corners or thresholds while moving the unit.

4. Operation

4.1. Switch on

1. Switch on the cooling unit with switch A7.
2. Switch on the lighting with switch A8.



4.2. Switch off

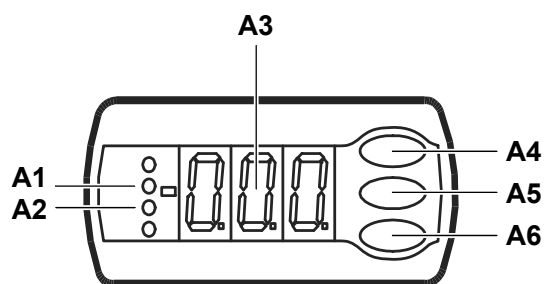
1. Switch off the lighting with switch A8.
2. Switch off the cooling unit with switch A7.

4.3. Check the set temperature

During use display A3 shows the temperature in the unit.

1. Press the central key A5.

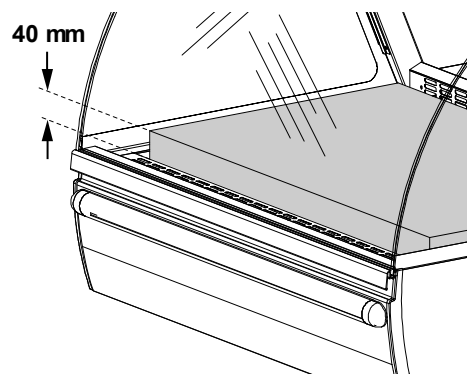
The display shows the set temperature.
The temperature measured in the unit appears again after 20 seconds.



4.4. Loading

Only load the unit with cooled products.

Apply a maximum leading height of 40 mm above the suction grid on the customer side. This gives a total product height of 100 mm.



5. Maintenance and cleaning



WARNING

- Remove the plug from the wall socket when carrying out maintenance and cleaning activities.
- Do not clean the unit using a water hose.



WARNING

- Do not clean the unit using steel wool.
- Fri-Jado Clean may in some cases irritate a sensitive skin. Wear rubber gloves when using it.
- Follow the instructions on the label of 'Fri-Jado Clean'.
- Clean the control panel only with a damp cloth.
- First remove as much as possible spilled product. Use as little water as possible to prevent the condensation evaporating unit from getting overloaded. Filthy water and leavings will seriously foul the evaporating unit.



- In view of hygiene and an optimal condition of the unit it is important to adhere to a fixed cleaning pattern from the very beginning.
- You can best remove meat residues and grease shortly after use of the unit. Optimum cleaning results are achieved by using 'Fri-Jado Clean'.
- If possible, leave the unit open at night.

Item	Action	Cleaning frequency
Interior	<ul style="list-style-type: none"> • Switch off the unit. • Take the products out of the unit. • Put the removable parts in a large basin with hot water and soapsuds or Fri-Jado Clean. Let these parts soak overnight and clean them the next day. • Clean the interior with hot soapsuds or Fri-Jado Clean. • After cleaning, dry the interior with a clean cloth. Make sure no traces of cleaning agent are left behind. 	Daily
Exterior	<ul style="list-style-type: none"> • Clean the exterior of the unit with a soft brush or sponge and a little hot water with a mild detergent. • Dry the exterior with a cloth. 	Daily
Condenser	<ul style="list-style-type: none"> • Clean the condenser of the cooling unit to ensure its continued proper functioning. See paragraph 5.1 for the correct way of working. 	Monthly
Condensation evaporating unit (if present)	<ul style="list-style-type: none"> • Clean the condensation evaporating unit to ensure its proper functioning. See paragraph 5.2 for the correct way of working. 	Monthly

Built-in units

In case of built-in units the situation is different, but cleaning the condenser and the evaporating unit remains necessary.

5.1. Clean the condenser

The condenser is accessible from the service side.

1. Remove the screws from the grid on the rear side of the right-hand leg and remove the grid.
2. The condenser is found in the left-hand side wall of the leg. Carefully clean this with a vacuum cleaner and/or a soft brush.
3. Reposition the grid.

5.2. Clean the condensation evaporating unit

The optional condensation evaporating unit is accessible from the customer side as well as from the service side.



WARNING

Switch off the unit and unplug it from the mains socket outlet! Switching off the unit is not enough, as the evaporating unit will still be live.



WARNING

The entire condensation evaporating unit is hot. Let it cool down before cleaning.

1. Switch off the unit and unplug it from the mains socket outlet!
2. Let the evaporating unit cool down.
3. Remove the front or rear plate between the legs of the basis, if present. In order to do this, lift up the plate and move it towards you. The plate is released from its suspension points.
4. Clean the evaporating unit with hot water and vinegar.
5. Reposition the front or rear plate.

6. Problems

WARNING



- If the problem is not solved by consulting the table below, proceed as follows:
 1. Switch off the unit.
 2. Remove the plug from the outlet.
 3. Contact your supplier/service agency. Make sure you have the following data at hand: model and serial number.
- If the lead is damaged, immediately contact your supplier/service station.

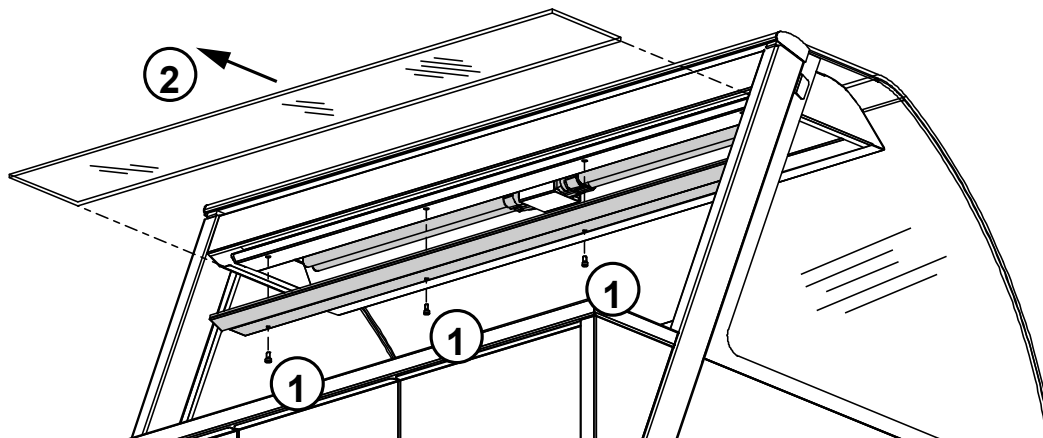


All windows used in the unit are made of tempered glass. If windows must be replaced, use the same material.

The required electric diagrams are to be found in the electric area.

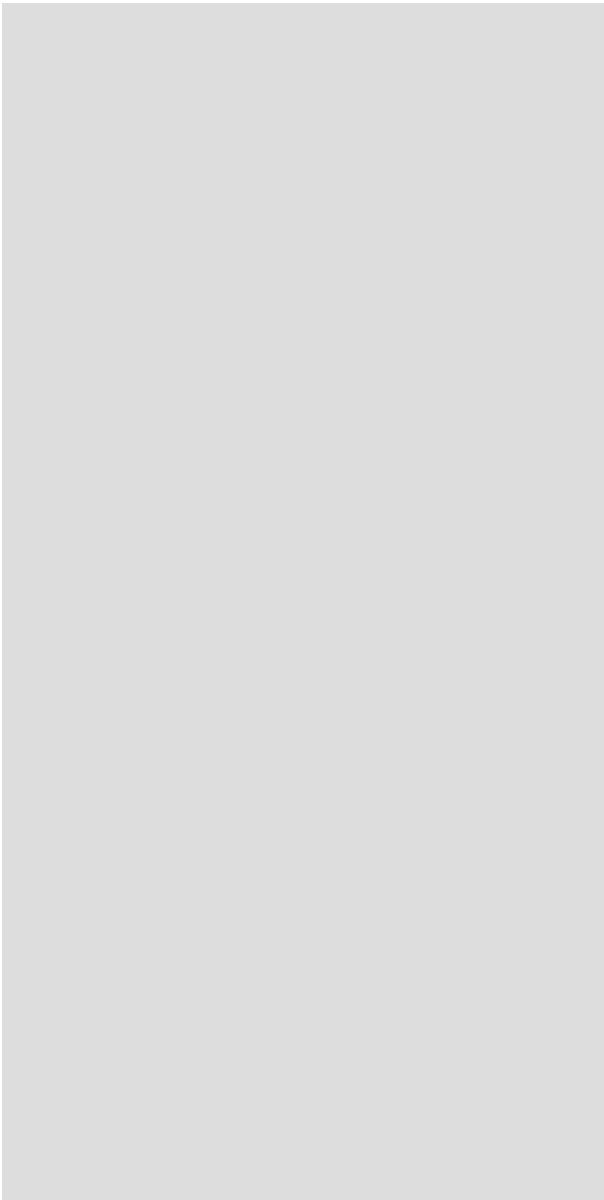
Item	Problem	Action
Unit	Does not function.	<ul style="list-style-type: none"> • Is the plug in the outlet? • Is the power supply OK? Check the fuses and the earth leakage switch in the meter cupboard. • Are all switches in the correct position?
Unit	The set temperature is not reached within half an hour.	<ul style="list-style-type: none"> • Close the sliding doors on the service side (if present).
Unit	The temperature rises too much.	<ul style="list-style-type: none"> • Is the condenser clean? • Have the required environmental conditions been met?
Thermostat	The display shows the fault message E1, E27, E29 or E30 of the symbols are flashing on the left-hand side of the display.	<ul style="list-style-type: none"> • Contact your supplier/service agency.
Evaporating unit	Does not function.	<ul style="list-style-type: none"> • Is the plug in the outlet on the evaporating unit?
Lamp	A lamp is defective.	<ul style="list-style-type: none"> • See paragraph 6.1

6.1. Replace the lamp



The lamps are found in the upper cover. They are accessible via the service side.

1. Remove the plug from the outlet.
2. Remove the sliding windows from the unit (if present).
3. Dismount the window profile by removing the screws at the bottom side of the light cover (①).
4. Carefully slide the window out of the frame by moving it toward you and place it in a safe place (②).
5. Remove the PL lamp by pulling it lengthwise out of the holder. Do this carefully to avoid breaking.
6. Install the new PL lamp.
7. Carefully slide the window into the frame.
8. Mount the window profile and insert the screws.
9. Place the sliding windows into the unit.



Uw leverancier
Your supplier
Ihr Fachhändler
Votre revendeur
Su suministrador

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